

## WEST Search History





DATE: Friday, December 26, 2003

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
		<i>DB=PGPB,USPT,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>	
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<input type="checkbox"/>	L7	4019027[uref]	14
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<input type="checkbox"/>	L2	(5497373 or 5528263 or 5561811 or 5568963 or 5608651 or 5715021 or 5717879).pn.	14
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END OF SEARCH HISTORY

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L7: Entry 12 of 14

File: USPT

Jun 26, 1990

US-PAT-NO: 4937743

DOCUMENT-IDENTIFIER: US 4937743 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Method and system for scheduling, monitoring and dynamically managing resources

DATE-ISSUED: June 26, 1990

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rassman; William R.	Agoura	CA		
Berman; Bradley M.	Omaha	NE		
Blau; Scott	Yonkers	NY		
Chiang; Andrew	Fort Lee	NJ		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
IntelliMED Corporation	Fort Lee	NJ			02

APPL-NO: 07/ 096027   [PALM]

DATE FILED: September 10, 1987

INT-CL: [05] G06F 15/21

US-CL-ISSUED: 364/401; 364/518

US-CL-CURRENT: 705/8; 345/441, 708/112

FIELD-OF-SEARCH: 364/401, 364/518, 434/108

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>3725650</u>	April 1973	Gelder	235/151.3
<input type="checkbox"/>	<u>4019027</u>	April 1977	Kelly	434/108
<input type="checkbox"/>	<u>4336589</u>	June 1982	Smith et al.	364/403
<input type="checkbox"/>	<u>4547851</u>	October 1985	Kurland	364/401
<input type="checkbox"/>	<u>4591983</u>	May 1986	Bennett et al.	364/403

<input type="checkbox"/> <u>4646238</u>	February 1987	Carlson, Jr. et al.	364/403
<input type="checkbox"/> <u>4700318</u>	October 1987	Ockman	364/518

## OTHER PUBLICATIONS

"The Classifier", Mount Castor Industries, Inc., Abstract, citation from Microsearch File of Orbit, AN:86-036077.  
"Class Scheduling", CMA Micro Computer, Abstract, citation from Microsearch File of Orbit, AN: 86-035879.  
"CSL Scheduling", Chancery Software Ltd, Abstract citation from Microsearch File of Orbit, AN: 87-040814.  
Henry Fersko-Weiss, "Master Plan: Project Management Software", PC Magazine, Sep. 29, 1987, pp. 153-157.  
Renouard, C. A., "A Computerized Inventory Model for Production Control", Control Engineering, Apr. 1971, pp. 61-64.  
Andrew Layman, Time-Line, pp. 3-9, 14-27, 113-119, 124-127, 1984.

ART-UNIT: 236

PRIMARY-EXAMINER: Smith; Jerry

ASSISTANT-EXAMINER: Hayes; Gail O.

ATTY-AGENT-FIRM: Fitzpatrick, Cella, Harper &amp; Scinto

## ABSTRACT:

The invention relates to the method for the prospective scheduling, periodic monitoring and dynamic management of a plurality of interrelated and interdependent resources using a computer system. The method includes providing a data base containing information about the resources and graphically displaying utilization and availability of the resources as a function of time. Indicia can be made to appear on the display to provide visual identification of symbols as well as information about scheduling, status and conflicts involving the resources. In addition, access to the data base can be made available to provide a continuous update of the display so that the display of the resources is for the most recent data in the data base. Access to the data base can also permit the operator to call up a wide variety of information about the resources and can also be used to track events and procedures.

61 Claims, 14 Drawing figures

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L7: Entry 10 of 14

File: USPT

May 9, 1995

US-PAT-NO: 5414843

DOCUMENT-IDENTIFIER: US 5414843 A

TITLE: Method and system for generating a project schedule using weighted work processes

DATE-ISSUED: May 9, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nakamura; Akihiro	Yokohama			JP
Imanishi; Takeshi	Kawasaki			JP

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Hitachi, Ltd.	Tokyo			JP	03
Hitachi System Engineering Ltd.	Tokyo			JP	03

APPL-NO: 08/ 289441    [PALM]

DATE FILED: August 11, 1994

## PARENT-CASE:

This application is a continuation of application Ser. No. 07/797,026, filed on Nov. 25, 1991, now abandoned.

## FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	2-326498	November 28, 1990

INT-CL: [06] G06 F 15/21

US-CL-ISSUED: 395/600; 395/650, 364/DIG.1

US-CL-CURRENT: 707/104.1

FIELD-OF-SEARCH: 395/600, 395/650, 364/401

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>4019027</u>	April 1977	Kelley	235/89

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<input type="checkbox"/>	<u>4847761</u>	July 1989	Ferriter et al.	364/401
<input type="checkbox"/>	<u>4875162</u>	October 1989	Ferriter et al.	364/401
<input type="checkbox"/>	<u>4887218</u>	December 1989	Natarajan	364/468
<input type="checkbox"/>	<u>5099431</u>	March 1992	Natarajan	364/468
<input type="checkbox"/>	<u>5101340</u>	March 1992	Nonaka et al.	395/650
<input type="checkbox"/>	<u>5109337</u>	April 1992	Ferriter et al.	364/900
<input type="checkbox"/>	<u>5220540</u>	June 1993	Nishida et al.	368/41

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
642165	January 1989	JP	
6417150	January 1989	JP	
2310703	December 1990	JP	

ART-UNIT: 237

PRIMARY-EXAMINER: Black; Thomas G.

ASSISTANT-EXAMINER: Wang; Peter Y.

ATTY-AGENT-FIRM: Antonelli, Terry, Stout &amp; Kraus

## ABSTRACT:

A schedule table production system includes a product table file in which a table of product names to be produced is stored, a work procedure file including a work table in which each work process with a weight added thereto is stored, a relational table in which sequence of processes is stored, a schedule file including a process table in which a start date and an end date of each work process are established, and a relational table in which a sequence of processes is stored. The system includes a schedule editing processor for calculating and editing a schedule of each work process from start and end dates of the whole work process on the basis of the weight of each work process, to automatically produce a schedule table used for producing the product.

7 Claims, 11 Drawing figures

First Hit   Fwd Refs

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L7: Entry 8 of 14

File: USPT

Oct 8, 1996

US-PAT-NO: 5563994

DOCUMENT-IDENTIFIER: US 5563994 A

TITLE: System for graphically generating the sequence and temporal relationship  
between tasks in a project

DATE-ISSUED: October 8, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harmon; Samuel T.	Dayton	OH	45407	
Harmon; M. Tracey	Dayton	OH	45407	

APPL-NO: 08/ 208675   [PALM]

DATE FILED: March 11, 1994

INT-CL: [06] G06 T 11/00

US-CL-ISSUED: 395/140; 395/155

US-CL-CURRENT: 345/440; 345/636

FIELD-OF-SEARCH: 395/140, 395/155-161, 395/600, 395/650, 364/400-408

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

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Search ALL

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>3124885</u>	March 1964	Mendell	35/24
<input type="checkbox"/>	<u>3380177</u>	April 1968	Wagner	35/24
<input type="checkbox"/>	<u>3403458</u>	October 1968	Mendall	35/24
<input type="checkbox"/>	<u>3488863</u>	January 1970	Mendall	35/24
<input type="checkbox"/>	<u>3522666</u>	August 1970	Sarthou	35/24
<input type="checkbox"/>	<u>3735109</u>	May 1973	Berthelemy et al.	235/185
<input type="checkbox"/>	<u>4019027</u>	April 1977	Kelley	235/89R
<input type="checkbox"/>	<u>4970664</u>	November 1990	Kaiser et al.	364/521
<input type="checkbox"/>	<u>5101340</u>	March 1992	Nonaka et al.	395/650
<input type="checkbox"/>	<u>5109337</u>	August 1992	Ferriter et al.	364/401

<input type="checkbox"/>	<u>5197001</u>	March 1993	Mukherjee	364/403
<input type="checkbox"/>	<u>5237514</u>	August 1993	Curtin	364/490
<input type="checkbox"/>	<u>5381332</u>	January 1995	Wood	364/401

## OTHER PUBLICATIONS

"Project Managers: Upping the Organization" By Steve Gilliland, PC Sources, Dec. 1992, pp. 435-473.

"A Survey of New Products and Significant Upgrades" Harvey A. Levine, PM Network, Jul. 1993, pp. 26-30.

ART-UNIT: 242

PRIMARY-EXAMINER: Jankus; Almis R.

ATTY-AGENT-FIRM: Gifford, Krass, Groh, Sprinkle, Patmore, Anderson & Citkowski, P.C.

## ABSTRACT:

A computer based system for generating graphic charts and textual representations identifying the temporal and sequential relationship between a plurality of tasks which must be performed to complete a project. The system initially receives as input, from the user, a listing of the tasks and their durations. The system then generates and outputs to the user a series of inquiries each relating to the sequential order of at least two of the tasks. By selection of the tasks forming the basis for each inquiry and a logical analysis of the user's responses to previous inquiries, the system logically deduces the sequential order between all of the tasks with a minimum number of inquiries. Using the task list and duration and the sequence order derived from the responses to the inquiries the system then graphically displaying the tasks and their sequence produces any of a variety of charts, including a PERT chart, and other alphanumeric listings useful in planning and accomplishing the project.

4 Claims, 7 Drawing figures

First Hit   Fwd Refs

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L9: Entry 19 of 21

File: USPT

May 14, 1991

US-PAT-NO: 5016170

DOCUMENT-IDENTIFIER: US 5016170 A

TITLE: Task management

DATE-ISSUED: May 14, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pollalis; Spiro N.	Cambridge	MA	02138	
Ueda; Yasuo	Osaka 544			JP

APPL-NO: 07/ 247778   [PALM]

DATE FILED: September 22, 1988

INT-CL: [05] G06F 15/21

US-CL-ISSUED: 364/401; 364/402

US-CL-CURRENT: 705/7; 345/440

FIELD-OF-SEARCH: 364/401, 364/402, 364/2MSFile, 364/9MSFile

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>3703630</u>	November 1972	Gelder	364/401
<input type="checkbox"/> <u>3725650</u>	April 1973	Gelder	364/402
<input type="checkbox"/> <u>4852001</u>	July 1989	Tsushima et al.	364/401

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
150140	June 1988	JP	364/401

## OTHER PUBLICATIONS

Kikuno et al., "Scheduling of Meetings in Office Information Systems", IEEE, 1982, pp. 318-325.



"Superproject Plus Users Guide and Reference Manual", Computer Associates, San Jose, Calif., .COPYRGT.1986, pp. (3)-16-18, 28-29, 32-33, 37-39, 44-48, (4)-29-31, (7)-2-12, (10)-1-3, 18-21, 23-26, 31-32, (11)-1-2, (12)-1-2, (15)-1-7.  
InstaPlan User's Guide, InstaPlan Corporation, Mill Valley, Calif., Jul., 1987.

ART-UNIT: 236

PRIMARY-EXAMINER: Smith; Jerry

ASSISTANT-EXAMINER: Kibby; Steven G.

ATTY-AGENT-FIRM: Fish & Richardson

ABSTRACT:

The management of a set of tasks is aided graphically by a technique in which a quantity associated with each task is represented by a geometric object of at least two dimensions whose geometric area or volume is indicative of the quantity, each geometric object is displayed on a display device, and information about dependencies in the performance of the tasks are indicated graphically on the display.

36 Claims, 29 Drawing figures

First Hit    Fwd Refs

Generate Collection

Print

L9: Entry 17 of 21

File: USPT

May 23, 2000

US-PAT-NO: 6067548

DOCUMENT-IDENTIFIER: US 6067548 A

TITLE: Dynamic organization model and management computing system and method therefor

DATE-ISSUED: May 23, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cheng; Edward C.	South San Francisco	CA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
e Guanxi, Inc.	San Mateo	CA			02

APPL-NO: 09/ 116521    [PALM]

DATE FILED: July 16, 1998

INT-CL: [07] G06 F 17/30

US-CL-ISSUED: 707/103; 707/101, 707/104

US-CL-CURRENT: 707/103R; 707/101, 707/104.1

FIELD-OF-SEARCH: 707/104, 707/101, 707/103

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

Search Selected

Search ALL

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5204958</u>	April 1993	Cheng et al.	707/102
<input type="checkbox"/>	<u>5329626</u>	July 1994	Klein et al.	709/248
<input type="checkbox"/>	<u>5864862</u>	January 1999	Kriens et al.	707/103

ART-UNIT: 271

PRIMARY-EXAMINER: Black; Thomas G.

h    e   b        b   cg b   cc    e

ASSISTANT-EXAMINER: Rones; Charles L.

ATTY-AGENT-FIRM: Gens; Timothy H.

ABSTRACT:

The present invention provides a dynamic organizational database as an underlying information system to support collaborative computing in a global enterprise. This information system is built based on the Organizational Modeling and Management model (OMM) and provides a system architecture and a graphical user interface for easy manipulation of organizational objects. Contrary to traditional approaches, the present invention separates the organization model from the process model, the application model and the data model. Thus, independent and flexible enterprise modeling and design is allowed to reflect more realistically a rapidly changing business environment.

30 Claims, 11 Drawing figures

First Hit    Fwd Refs☐  

L6: Entry 14 of 28

File: USPT

Jul 1, 2003

US-PAT-NO: 6588004

DOCUMENT-IDENTIFIER: US 6588004 B1

TITLE: Graphic editor for block diagram level design of circuits

DATE-ISSUED: July 1, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Southgate; Timothy J.	Redwood City	CA		
Wenzler; Michael	Piedmont	CA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Altera Corporation	San Jose	CA			02

APPL-NO: 09/ 611376    [PALM]

DATE FILED: July 7, 2000

## PARENT-CASE:

RELATED APPLICATION DATA This is a Continuation application of prior application Ser. No. 08/958,434 filed on Oct. 27, 1997 now U.S. Pat. No. 6,110,223. The present application claims priority from U.S. Provisional Application Serial No. 60/029,277 entitled TOOLS FOR DESIGNING PROGRAMMABLE LOGIC DEVICES filed on Oct. 28, 1996, the entire specification of which is incorporated herein by reference. This invention is related to U.S. patent application Ser. No. 08/958,002, filed on the same day as this patent application, naming B. Pedersen et al. as inventors, and entitled "GENERATION OF SUBNET LISTS FOR USE IN INCREMENTAL COMPILATION." That application is incorporated herein by reference in its entirety and for all purposes. This invention is also related to U.S. patent application Ser. No. 08/958,436, filed on the same day as this patent application, naming J. Tse et al. as inventors, and entitled "FITTING FOR INCREMENTAL COMPILATION OF ELECTRONIC DESIGNS." That application is incorporated herein by reference in its entirety and for all purposes. This invention is also related to U.S. patent application Ser. No. 08/958,670, filed on the same day as this patent application, naming D. Mendel as inventor, and entitled "PARALLEL PROCESSING FOR COMPUTER ASSISTED DESIGN OF ELECTRONIC DEVICES." That application is incorporated herein by reference in its entirety and for all purposes. This invention is also related U.S. patent application Ser. No. 08/958,626, filed on the same day as this patent application, naming F. Heile et al. as inventors, and entitled "INTERFACE FOR COMPILING DESIGN VARIATIONS IN ELECTRONIC DESIGN ENVIRONMENTS." That application is incorporated herein by reference in its entirety and for all purposes. This invention is also related to U.S. patent application Ser. No. 08/958,778, filed on the same day as this patent application, naming T. Southgate as inventor, and entitled. "METHOD AND APPARATUS FOR AUTOMATED CIRCUIT DESIGN." That application is incorporated herein by reference in its entirety and for all purposes. This invention is a continuation of U.S. patent application Ser. No. 08/958,434, filed on the same day as this patent application and now U.S. Pat. No. 6,110,223, naming T. Southgate et al. as

inventors, and entitled "GRAPHIC EDITOR FOR BLOCK DIAGRAM LEVEL DESIGN OF CIRCUITS." That application is incorporated herein by reference in its entirety and for all purposes. This invention is also related to U.S. patent application Ser. No. 08/958,432, filed on the same day as this patent application, naming T. Southgate et al. as inventors, and entitled "DESIGN FILE TEMPLATES FOR IMPLEMENTATION OF LOGIC DESIGNS." That application is incorporated herein by reference in its entirety and for all purposes. This invention is also related to U.S. patent application Ser. No. 08/958,414, filed on the same day as this patent application, naming T. Southgate as inventor, and entitled "METHOD FOR PROVIDING REMOTE SOFTWARE TECHNICAL SUPPORT." That application is incorporated herein by reference in its entirety and for all purposes. This invention is also related to U.S. patent application Ser. No. 08/958,777, filed on the same day as this patent application, naming T. Southgate as inventor, and entitled "METHOD FOR SIMULATING A CIRCUIT DESIGN" That application is incorporated herein by reference in its entirety and for all purposes. This invention is also related to U.S. patent application Ser. No. 08/957,957, filed on the same day as this patent application, naming F. Heile et al. as inventors, and entitled "WORKGROUP COMPUTING FOR ELECTRONIC DESIGN AUTOMATION." That application is incorporated herein by reference in its entirety and for all purposes. This invention is also related to U.S. patent application Ser. No. 08/958,798, filed on the same day as this patent application, naming F. Heile as inventor, and entitled "LOCAL COMPILATION IN CONTEXT WITHIN A DESIGN HIERARCHY." That application is incorporated herein by reference in its entirety and for all purposes. This invention is also related to U.S. patent application Ser. No. 08/958,435, filed on the same day as this patent application, naming Alan L. Herrmann et al. as inventors, and entitled "EMBEDDED LOGIC ANALYZER FOR A PROGRAMMABLE LOGIC DEVICE." That application is incorporated herein by reference in its entirety and for all purposes. This invention is also related to U.S. patent application Ser. No. 08/958,431, filed on the same day as this patent application, naming F. Heile as inventor, and entitled "ELECTRONIC DESIGN AUTOMATION TOOL FOR DISPLAY OF DESIGN PROFILE." That application is incorporated herein by reference in its entirety.

INT-CL: [07] G06 F 17/50

US-CL-ISSUED: 716/11; 716/7, 716/3, 716/18, 716/2  
 US-CL-CURRENT: 716/11; 716/18, 716/2, 716/3, 716/7

FIELD-OF-SEARCH: 716/1-18, 703/14-16

PRIOR-ART-DISCLOSED:

# U.S. PATENT DOCUMENTS

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Search ALL

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
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<input type="checkbox"/>	<u>4916738</u>	April 1990	Chandra et al.	713/159
<input type="checkbox"/>	<u>5008814</u>	April 1991	Mathur	709/221
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<input type="checkbox"/>	<u>5983277</u>	November 1999	Heile et al.	709/232
<input type="checkbox"/>	<u>6014506</u>	January 2000	Hossain et al.	716/11
<input type="checkbox"/>	<u>6110223</u>	August 2000	Southgate et al.	716/18

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0703531	March 1996	EP	
92/09160	May 1992	WO	
96/32679	October 1996	WO	
97/48044	December 1997	WO	

## OTHER PUBLICATIONS

Summit Design Inc., Visual HDL for Verilog Short Course,: Sep. 19, 1996, pp. 1-167, IEEE.

Spang, III et al. ("The BEACON block-diagram environment" World Congress of the International Federation of Automatic Control, vol. 2, Robust Control, Design and Software, pp. 749-754, Jan. 1, 1994).

Rimvall et al. ("An open architecture code generation using the BEACON CACE environment", Proceedings of IEEE/IFAC Joint Symposium on Computer-Aided Control System Design, Mar. 7, 1994, pp. 315-320).

Girardi et al. ("A register transfer level schematic editor and simulator interface", CSELT Technical Reports, vol. 13, No. 6, pp. 403-409, Nov. 1, 1995.

Bershad, et al., "Lightweight Remote Procedure Call," ACM Transactions on Computer Systems, 8:1, pp. 37-55 (1990).

Ganguly, et al., "HSIM1 and HSIM2: Object Oriented Algorithms for VHDL Simulation," Proceedings of the Seventh Intl. Conf. on VLSI Design, pp. 175-178 (1994).

Gavish, et al., "Dynamic File Migration in Distributed Computer Systems," Communications of the ACM, 33:2, pp. 177-189 (1990).

Iftode, et al., "Shared Virtual Memory with Automatic Update Support," ICS ACM, pp. 175-183 (1999).

Keleher, "Tapeworm: High-Level Abstractions of Shared Accesses," USENIX Association OSDI, pp. 201-214 (1999).

Maurer, "Efficient Simulation for Hierarchical and Partitioned Circuits,"

Proceedings of the Twelfth Intl. Conf. on VLSI Design, pp. 236-241 (1999).

ART-UNIT: 2825

PRIMARY-EXAMINER: Smith; Matthew

ASSISTANT-EXAMINER: Kik; Phallaka

ATTY-AGENT-FIRM: Beyer Weaver & Thomas, LLP

ABSTRACT:

A method is described herein for designing a circuit using graphic editor software. A graphic design file is generated corresponding to a block diagram created in a graphical user interface associated with the graphic editor software. The block diagram includes a plurality of blocks and a plurality of conduits interconnecting the blocks. A block design file is generated in one of a plurality of formats for each of selected ones of the plurality of blocks in the block diagram. Each of the block design files corresponds to an implementation of its corresponding block. Modifications to any of the graphic design file and the block design files are incorporated into each other under software control.

29 Claims, 9 Drawing figures



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L6: Entry 23 of 28

File: USPT

Apr 19, 1977

US-PAT-NO: 4019027

DOCUMENT-IDENTIFIER: US 4019027 A

TITLE: Apparatus and method for schedule monitoring and control

DATE-ISSUED: April 19, 1977

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kelley; William L.	Moraga	CA	94556	

APPL-NO: 05/ 576221    [PALM]

DATE FILED: May 9, 1975

INT-CL: [02] G09B 19/18, G09F 3/18, G06C 3/00

US-CL-ISSUED: 235/89R; 35/24A, 40/19.5, 58/151

US-CL-CURRENT: 235/89R; 368/44, 40/657, 434/108

FIELD-OF-SEARCH: 35/24A, 35/24B, 40/19.5, 58/149, 58/151, 116/135, 235/89

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>2647328</u>	August 1953	Ostrander	35/24A
<input type="checkbox"/>	<u>2994296</u>	August 1961	Waldin	116/135
<input type="checkbox"/>	<u>3270709</u>	September 1966	Berge	116/135
<input type="checkbox"/>	<u>3492812</u>	February 1970	Cimbal	58/149

ART-UNIT: 211

PRIMARY-EXAMINER: Jackmon; E. S.

ATTY-AGENT-FIRM: Bialos; Stanley Hendricson; Alvin E.

ABSTRACT:

For the scheduling of activities, particularly construction activities by the

h    e   b        b   cg   b    cc        e

Critical Path Method, an apparatus is provided with a mechanical simulation of the network associated with the method, and is adapted to support a network chart of activities and events. It has a progress bar for monitoring such activities and events, which is power driven at a constant rate for indicating the scheduled progress of the entire project at any given time, whereby the scheduler can determine at a glance at the board what adjustments, if any, need be made in the timing and progress of the various activities of the project.

11 Claims, 14 Drawing figures

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L6: Entry 27 of 28

File: DWPI

Jan 28, 2003

DERWENT-ACC-NO: 2003-455637

DERWENT-WEEK: 200343

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TITLE: Integrated code and project management system for software development  
project automatically creates and updates, from software code, Gantt chart  
consisting of abstract tasks

INVENTOR: PORTERFIELD, J R

PATENT-ASSIGNEE: PORTERFIELD J R (PORTI)

PRIORITY-DATA: 1996US-028911P (October 21, 1996), 1997US-0955163 (October 21, 1997)

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Search ALL

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## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> <u>US 6513154 B1</u>	January 28, 2003		055	G06F009/44

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
US 6513154B1	October 21, 1996	1996US-028911P	Provisional
US 6513154B1	October 21, 1997	1997US-0955163	

INT-CL (IPC): G06 F 9/44

ABSTRACTED-PUB-NO: US 6513154B

## BASIC-ABSTRACT:

NOVELTY - The system coordinates software development activities using Gantt charts created by assigning code segments to task lines and provides automated defect detection and correction. A monitor process on a developer's computer identifies exception generating code and integrates lists of bugs into one document.

USE - For use in a software development project.

ADVANTAGE - The Gantt chart requires no manual updating and is automatically updated when a manager opens the chart. The combination of the code driven management paradigm and automatic debugging mechanism provides an enhanced mechanism for sharing knowledge among developers on a software development project. Managers are able to identify code segments which are repeatedly edited by developers, indicating areas of difficulty in the development process.

DESCRIPTION OF DRAWING(S) - The drawing shows an illustration of the system's relation to the software management and development process.

ABSTRACTED-PUB-NO: US 6513154B  
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/40

DERWENT-CLASS: T01  
EPI-CODES: T01-J05A2; T01-J20A; T01-J20C;

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L9: Entry 9 of 21

File: PGPB

Jan 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020007300

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020007300 A1

TITLE: Device and method for organizing and presenting worker tasks in a network-based portal environment

PUBLICATION-DATE: January 17, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Slatter, Michael	Park City	UT	US	

APPL-NO: 09/ 880674 [PALM]

DATE FILED: June 13, 2001

## RELATED-US-APPL-DATA:

Application is a non-provisional-of-provisional application 60/211426, filed June 14, 2000,

INT-CL: [07] G06 F 17/60

US-CL-PUBLISHED: 705/9

US-CL-CURRENT: 705/9

REPRESENTATIVE-FIGURES: 6

## ABSTRACT:

The present invention provides systems for generating and presenting tasks to at least one user include a workflow template memory that stores at least one workflow template. The workflow template identifies at least one task for the at least one user to complete. A workflow management component uses the workflow template to assign the at least one task to the at least one user. A graphical-user-interface at a client device associated with the at least one user displays the assigned task in a task field. When the at least one user selects the assigned task, a program connecting device provides the at least one user access to at least one of tools, information, and applications necessary for the at least one user to complete the assigned task.

## RELATED APPLICATIONS

[0001] This application claims priority from U.S. Provisional Patent Application No. 60/211,426, filed Jun. 14, 2000, titled ePlant.management.

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L9: Entry 14 of 21

File: USPT

Apr 9, 2002

US-PAT-NO: 6370562

DOCUMENT-IDENTIFIER: US 6370562 B2

TITLE: Trackpoint-based computer-implemented systems and methods for facilitating collaborative project development and communication

DATE-ISSUED: April 9, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Page; John D.	Saratoga	CA		
Bouchard; Eugene E.	Pleasanton	CA		
Sriram; Venkat R.	Cupertino	CA		
Stanelle; Scott E.	San Jose	CA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
NexPrise Inc.	Santa Clara	CA			02

APPL-NO: 09/ 766134   [PALM]

DATE FILED: January 19, 2001

## PARENT-CASE:

This application is a divisional of application Ser. No. 09/164,947, filed Oct. 1, 1998, now U.S. Pat. No. 6,212,549. This application claims priority under 35 U.S.C 119 (e) of the U.S. provisional applications listed below, all of which are incorporated by reference herein. "Object Oriented HTML" filed Oct. 6, 1997 by inventors Eugene E. Bouchard, Varma Kunaparaju, Venkat R. Sriram, and Scott E. Stanelle (U.S. application Ser. No. 60/061,198) "Keyword Searching" filed Oct. 6, 1997 by inventors Eugene E. Bouchard, Varma Kunaparaju, Venkat R. Sriram, Scott E. Stanelle, and Wallace W. Yau (U.S. application Ser. No. 60/061,129) "Protocol Packet" filed Oct. 6, 1997 by inventors Eugene E. Bouchard, Varma Kunaparaju, Venkat R. Sriram, and Scott E. Stanelle (U.S. application Ser. No. 60/061,299) "Overall MECE Design" filed Oct. 6, 1997 by inventor Eugene E. Bouchard (U.S. application Ser. No. 60/061,214) "Internet Caching" filed Oct. 6, 1997 by inventor Eugene E. Bouchard (U.S. application Ser. No. 60/061,552) "Link Searching" filed Oct. 6, 1997 by inventor Eugene E. Bouchard (U.S. application Ser. No. 60/062,542).

INT-CL: [07] G06 F 13/00

US-CL-ISSUED: 709/204; 709/219, 709/313, 709/329

US-CL-CURRENT: 709/204; 709/219, 709/313, 709/329

FIELD-OF-SEARCH: 709/202, 709/203, 709/217, 709/219, 709/204, 709/206, 709/224, 709/227, 709/313, 709/329, 713/201

PRIOR-ART-DISCLOSED:

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## U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5381332</u>	January 1995	Wood	364/401
<input type="checkbox"/>	<u>5548506</u>	August 1996	Srinivasan	364/401
<input type="checkbox"/>	<u>5583993</u>	December 1996	Foster et al.	395/200.04
<input type="checkbox"/>	<u>5706452</u>	January 1998	Ivanov	395/331
<input type="checkbox"/>	<u>5862346</u>	January 1999	Kley et al.	395/200.73
<input type="checkbox"/>	<u>5878214</u>	March 1999	Gilliam et al.	395/200.34
<input type="checkbox"/>	<u>5893906</u>	April 1999	Daffin et al.	705/28
<input type="checkbox"/>	<u>6044368</u>	March 2000	Powers	707/2

## OTHER PUBLICATIONS

U.S. Patent Application No. 09/164,946, Entitled "Techniques for Improving Index Searches in a Client-Server Environment", Inventor(s): Eugene E. Bouchard et al., Filed Oct. 1, 1998.

European Search Report, dated Mar. 8, 1999, for International Application No. PCT/US98/20771.

ART-UNIT: 2154

PRIMARY-EXAMINER: Vu; Viet D.

ATTY-AGENT-FIRM: Beyer Weaver & Thomas LLP

## ABSTRACT:

A computer-implemented method for facilitating collaboration and communication among project participants working collaboratively on a project using a computer network. The method includes providing a plurality of trackpoints that are created by at least two of the project participants. Each of the plurality of trackpoints includes metadata descriptive of the each of the plurality of trackpoints. Each of the plurality of trackpoints is configured to store data within its content. The method also includes providing indices of trackpoints based on searchable keys. Additionally, the method includes providing a plurality of tools. The plurality of tools include at least one of a search tool, a notification tool, and a briefing book page, the search tool being configured to search the indices for at least one trackpoint of the plurality of trackpoints that satisfies search criteria, the notification tool being configured to notify a project participant that is authorized to use the notification tool when notification criteria are satisfied, and the briefing book page represents a data presentation mechanism that is configured to receive briefing book data from at least two of the plurality of trackpoints.

20 Claims, 6 Drawing figures

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Generate Collection

Print

L9: Entry 18 of 21

File: USPT

Dec 7, 1999

US-PAT-NO: 5999911

DOCUMENT-IDENTIFIER: US 5999911 A

TITLE: Method and system for managing workflow

DATE-ISSUED: December 7, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Berg; William C.	Beaverton	OR		
McCallum; Darcy J.	Salem	OR		
Newman; Reynaldo W.	West Linn	OR		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Mentor Graphics Corporation	Wilsonville	OR			02

APPL-NO: 08/ 458188   [PALM]

DATE FILED: June 2, 1995

INT-CL: [06] G06 F 17/60

US-CL-ISSUED: 705/9; 705/7, 705/8

US-CL-CURRENT: 705/9; 705/7, 705/8FIELD-OF-SEARCH: 364/468.03, 364/468.05, 364/468.06, 364/468.15, 364/474.24,  
395/207, 395/208, 705/9

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

Search Selected

Search ALL

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5050091</u>	September 1991	Rubin	364/488
<input type="checkbox"/>	<u>5208748</u>	May 1993	Flores et al.	364/419
<input type="checkbox"/>	<u>5208765</u>	May 1993	Turnbull	702/84
<input type="checkbox"/>	<u>5216603</u>	June 1993	Flores et al.	364/419
<input type="checkbox"/>	<u>5301320</u>	April 1994	McAtee et al.	395/650
<input type="checkbox"/>	<u>5423023</u>	June 1995	Batch et al.	395/500



☐ 5826020

October 1998

Randell

395/200.32

## OTHER PUBLICATIONS

Davis, Dwight B., "Software That Makes Your Work Flow," Datamation, Apr. 15, 1991, pp. 75-76, 78.

Medina-Mora, et al., "Workflow Management Technology: Examples, Implementations and New Directions," ACM SIGCHI/SIGOIS Proc of the Conference on Computer Supported Cooperative Work, Nov. 1992, pp. 281-288.

Greif, Irene, "Desktop Agents in Group-Enabled Products," Communications of the ACM, Jul. 1994, pp. 100-105.

"XSoft Offers Workflow Management Software", The Seybold Report on Publishing Systems, vol. 22, No. 12, Mar. 8, 1993, Seybold Publications, Inc., pp. 1-4.

"Adaptive Workflow Software for Continuous Process Improvement", InConcert Programming Guide, Xerox Corporation, 1995, pp. 1-1 -2-10.

"Action Workflow Analyst", "Action Workflow Builder", "Action Workflow Manager", and "Action Workflow DocRoute", brochures from Action Technologies, Inc., 1993-94.

"Workflow Management: Document-Based Workflow Management Software by Xerox: XSoft", Edge Work-Group Computing Report, v 4, n 146, Mar. 8, 1993.

"XSoft Offers Workflow Management Software", Seybold Report on Publishing Systems, v 22, n 12, pp. 1-4, Mar. 8, 1993.

ART-UNIT: 271

PRIMARY-EXAMINER: Cosimano; Edward R.

ASSISTANT-EXAMINER: Kalinowski; Alexander

ATTY-AGENT-FIRM: Klarquist Sparkman Campbell Leigh &amp; Whinston LLP

## ABSTRACT:

A workflow manager system provides computer-assisted, graphical tools for defining and managing complex processes in terms of a workflow. A workflow includes a number of steps having step encapsulations and dependency relationships. Step encapsulations define the work to be performed by a step in a work flow such as launching a design tool. The dependency relationships represent the conditions that must be satisfied before a step can be performed and can be expressed in terms of boolean relationships using step and data states or data values as arguments. The workflow system manages the state of a workflow including the state of steps and data, and makes the workflow and its related data accessible to multiple users.

35 Claims, 15 Drawing figures

First Hit   Fwd Refs☐  

L7: Entry 13 of 14

File: USPT

Sep 27, 1988

US-PAT-NO: 4773862

DOCUMENT-IDENTIFIER: US 4773862 A

TITLE: Method for mapping a joint venture and maps produced thereby

DATE-ISSUED: September 27, 1988

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baba; Marietta L.	Detroit	MI		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
Board of Governors of Wayne State University	Detroit	MI			02	

APPL-NO: 07/ 084319   [PALM]

DATE FILED: August 10, 1987

INT-CL: [04] G09B 19/00

US-CL-ISSUED: 434/154; 434/109

US-CL-CURRENT: 434/154; 434/109

FIELD-OF-SEARCH: 434/154, 434/107, 434/108, 434/109, 283/115, 283/116, 283/48R

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

  

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>3290797</u>	December 1966	Opel	434/108
<input type="checkbox"/>	<u>3500557</u>	March 1970	White	434/108
<input type="checkbox"/>	<u>3564731</u>	February 1971	Weller	434/108
<input type="checkbox"/>	<u>3596388</u>	August 1971	Shorten	434/109
<input type="checkbox"/>	<u>4019027</u>	April 1977	Kelly	434/108
<input type="checkbox"/>	<u>4464122</u>	August 1984	Fuller et al.	283/115
<input type="checkbox"/>	<u>4483680</u>	November 1984	Daly	283/115
<input type="checkbox"/>	<u>4639226</u>	January 1987	Rahn et al.	283/115

ART-UNIT: 345

PRIMARY-EXAMINER: Yeung; James C.

ATTY-AGENT-FIRM: McLeod; Ian C.

ABSTRACT:

A method and map (10) for charting historical events by ventures A and B in a joint venture is described. The method and map enable a visual understanding of the operation of joint venture in the past and possibly more effective development of the joint venture in the future.

10 Claims, 6 Drawing figures

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Generate Collection

L2: Entry 5 of 14

File: USPT

Oct 1, 1996

US-PAT-NO: 5561811

DOCUMENT-IDENTIFIER: US 5561811 A

TITLE: Method and apparatus for per-user customization of applications shared by a plurality of users on a single display

DATE-ISSUED: October 1, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bier; Eric A.	Mountain View	CA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Xerox Corporation	Stamford	CT			02

APPL-NO: 07/ 974044    [PALM]

DATE FILED: November 10, 1992

INT-CL: [06] G06 F 3/00

US-CL-ISSUED: 395/825; 395/153, 395/155, 395/893, 395/600, 395/650, 395/700, 395/800, 364/DIG.1, 364/236.8, 364/237.2, 364/237.3, 364/238, 364/286, 364/286.3

US-CL-CURRENT: 710/5; 345/733, 345/753, 710/73

FIELD-OF-SEARCH: 341/20, 341/22, 341/23, 345/115, 345/116, 345/162, 345/163, 345/167, 345/172, 345/145, 395/200, 395/275, 395/600, 395/650, 395/700, 395/800, 395/153-155, 395/200.04, 395/821, 395/828, 395/836, 395/882, 395/892-893, 364/188, 364/189, 364/190, 364/474.22, 273/438

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4064560</u>	December 1977	Baxter	341/22
<input type="checkbox"/>	<u>4323891</u>	April 1982	Akashi	340/709
<input type="checkbox"/>	<u>4727478</u>	February 1988	Endfield et al.	395/887
<input type="checkbox"/>	<u>5115501</u>	May 1992	Kerr	395/600
<input type="checkbox"/>	<u>5136694</u>	August 1992	Belt et al.	395/887

<input type="checkbox"/>	<u>5157384</u>	October 1992	Greanias et al.	340/706
<input type="checkbox"/>	<u>5179700</u>	January 1993	Aihara et al.	395/650
<input type="checkbox"/>	<u>5220675</u>	June 1993	Padawer et al.	395/800
<input type="checkbox"/>	<u>5287514</u>	February 1994	Gram	395/700
<input type="checkbox"/>	<u>5319747</u>	June 1994	Gerrissen et al.	395/155
<input type="checkbox"/>	<u>5337407</u>	August 1994	Bates et al.	395/153
<input type="checkbox"/>	<u>5369778</u>	November 1994	San Soucie et al.	395/800
<input type="checkbox"/>	<u>5473744</u>	December 1995	Allen et al.	395/154

## FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
58142996	August 1983	JP	
6271453	March 1987	JP	

## OTHER PUBLICATIONS

Bier, E. A. et al. "MMM: A User Interface Architecture for Shared Editors on a Single Screen," Proceedings of the ACM Symposium on User Interface Software and Technology, Nov., 11-13, 1991, P. 79.

Simpson, A. "Mastering WordPerfect S. 185.2 for Windows" CA, Sybex, 1993, fig. 2.2.

WordPerfect for Windows version 5.1, WordPerfect Corporation, . Apr. 30, 1992.

ART-UNIT: 237

PRIMARY-EXAMINER: Barry; Lance L.

ATTY-AGENT-FIRM: Rosen, Dainow & Jacobs Limited Liability Partnership

## ABSTRACT:

A multi-user multi-device system enables a plurality of users to control a single screen. Each user has one or more input devices, which can be used to control one or more stored applications. At any time, the system produces a consistent view of all applications on the single screen. The input from each user produces a response customized to the preferences of that user. Each user can inform the system of which devices that user is using. Inputs to the system initiate the building of Event Records that are queued and then directed to specific applications. The screen is updated, and the coordinates of child applications are determined, only during pauses in the operations of all applications.

7 Claims, 26 Drawing figures

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Generate Collection

Print

L6: Entry 17 of 28

File: USPT

May 8, 2001

US-PAT-NO: 6227964

DOCUMENT-IDENTIFIER: US 6227964 B1

TITLE: Method of printing images and charts and paper therefor

DATE-ISSUED: May 8, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dawson; William F.	Ottawa			CA
Hollingsworth; Gary R.	Ottawa			CA

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
VisualProject Inc.	Hull			CA	03

APPL-NO: 09/ 414893   [PALM]

DATE FILED: October 8, 1999

## FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
CA	2249919	October 8, 1998

INT-CL: [07] B41 L 1/20

US-CL-ISSUED: 462/8; 462/9, 462/25, 462/27, 281/101

US-CL-CURRENT: 462/8; 283/101, 462/25, 462/27, 462/9

FIELD-OF-SEARCH: 462/8, 462/9, 462/25, 462/26, 462/27, 462/36, 283/105, 283/101, 283/116, 283/81

PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

Search Selected

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>3565462</u>	February 1971	Gottlieb	281/3
<input type="checkbox"/>	<u>5364200</u>	November 1994	Russo et al.	402/79
<input type="checkbox"/>	<u>5509694</u>	April 1996	Laurash et al.	283/81
<input type="checkbox"/>	<u>5571587</u>	November 1996	Bishop et al.	428/43

ART-UNIT: 372

PRIMARY-EXAMINER: Fridie, Jr.; Willmon

ATTY-AGENT-FIRM: Blake, Cassels & Graydon LLP Fisk; George E.

ABSTRACT:

Discloses sheet of printable media, such as paper, of a special format for printing, preferably by computer, images (such as charts) which are too large to fit on conventional sized sheets of printed paper, and a method for printing such images. The images are printed in sections onto standard sized paper sheets segmented into a retained portion and a removable portion with a glue strip along one side of the retained portion. The sections of the image are printed on the sheet to predetermined margins extending parallel to the sheet edges. The printing may include inconspicuous marks along a registration boundary to facilitate registration of a pair of sheets. The removable portion is separated from the sheet along a segmentation line that coextends with a registration boundary and two sheets with adjacent portions of an image are overlapped until their portions of the image are in register to present a continuous image without gap or overlap. The glue strip on one is sheet activated to glue the sheets together in register. Optionally the sheets include pre-scored fold lines to facilitate folding joined sheets along predetermined fold lines so that the strip formed from the sheets can fan-folded for storage in a binder.

21 Claims, 12 Drawing figures

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Print

L6: Entry 22 of 28

File: USPT

Jan 19, 1999

US-PAT-NO: 5862346

DOCUMENT-IDENTIFIER: US 5862346 A

TITLE: Distributed group activity data network system and corresponding method

DATE-ISSUED: January 19, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kley; Victor B.	Berkeley	CA		
Lovejoy; Ian	Petaluma	CA		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Metadigm	Berkeley	CA			02

APPL-NO: 08/ 672793   [PALM]

DATE FILED: June 28, 1996

INT-CL: [06] G06 F 15/16

US-CL-ISSUED: 395/200.73; 395/200.3, 395/200.31, 395/200.33, 395/200.35, 395/200.49, 395/200.78

US-CL-CURRENT: 709/245; 709/200, 709/201, 709/203, 709/205, 709/219, 709/248

FIELD-OF-SEARCH: 395/200.35, 395/200.42, 395/200.31, 395/200, 395/200.73, 395/200.49, 395/200.33, 395/200.34, 395/200.78, 395/200.3

PRIOR-ART-DISCLOSED:

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4542380</u>	September 1985	Beckner et al.	340/825.5
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<input type="checkbox"/>	<u>4899136</u>	February 1990	Beard et al.	340/706
<input type="checkbox"/>	<u>4974173</u>	November 1990	Stefik et al.	364/521
<input type="checkbox"/>	<u>5008853</u>	April 1991	Bly et al.	364/900
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	<u>5220657</u>	June 1993	Bly et al.	395/425



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<input type="checkbox"/>	<u>5442639</u>	August 1995	Crowder et al.	
<input type="checkbox"/>	<u>5490270</u>	February 1996	Dearakonada et al.	395/600
<input type="checkbox"/>	<u>5515491</u>	May 1996	Bates et al.	395/155
<input type="checkbox"/>	<u>5572643</u>	November 1996	Judson	395/793
<input type="checkbox"/>	<u>5649105</u>	July 1997	Aldred et al.	395/200.04
<input type="checkbox"/>	<u>5671428</u>	September 1997	Muranaga et al.	395/772

ART-UNIT: 278

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## ABSTRACT:

A distributed group activity network system and corresponding method over a computer network. It synchronizes and provides access by system users to shared data files of a group activity. The distributed group activity network system comprises one or more server computers and client computers that are connected to the server computer(s) by network connections. Each of the server computers comprises a network server and a memory system. The network server runs on the server computer and provides basic network services that are available at the server computer. The memory systems of the server computers store synchronization files and shared data files of the group activity. Each of the client computers comprises a memory system and a system module running on the client computer. The system modules of the client computers use the memory systems of the client computers and the available basic network services at the server computer(s) to synchronize and provide access to the shared data files by the system users by also using the memory systems of the client computers and the available basic network services at the server computer(s) to synchronize access to and access the synchronization files.

19 Claims, 7 Drawing figures